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**FACSIMILE COVER SHEET**  
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Our Ref.: 39-189  
Your Ref.: \_\_\_\_\_ Date: March 2, 2001  
To: Examiner Weitach, J. - Group: 1632  
Firm: USPTO  
Facsimile No.: (703) 308-8724  
From: Mary J. Wilson

Number of Pages (including cover sheet): 6  
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Tabitha A. Trice  
FACSIMILE OPERATOR

ATTACHMENT/S: **OFFICIAL SUPPLEMENTAL AMENDMENT**

**MESSAGE:**

In re PATENT APPLICATION OF:

**OFFICIAL**

BULLEID  
Serial No.: 09/380,377  
Filed: September 16, 1999  
For: PROCOLLAGEN ASSEMBLY

**CONFIDENTIALITY NOTE**

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Atty Dkt: 39-189

BULLEID

C# M#  
Group Art Unit: 1632

Serial No. 09 380 377

Examiner: Wortach, J

Filed: September 16, 1999

Date: March 2, 2001

Title: PROCOLLAGEN ASSEMBLY

Assistant Commissioner for Patents  
Washington, DC 20231

Sir,

**RESPONSE/AMENDMENT/LETTER**

This is a response/amendment letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

**Fees are attached as calculated below:**

Total effective claims after amendment 0 minus highest number  
previously paid for 20 (at least 20) = 0 x \$ 18.00 \$ 0.00

Independent claims after amendment 0 minus highest number  
previously paid for 3 (at least 3) = 0 x \$ 80.00 \$ 0.00

If proper multiple dependent claims now added for first time, add \$270.00 (ignore improper) \$ 0.00

Petition is hereby made to extend the current due date so as to cover the filing date of this  
paper and attachment(s) (\$110.00/1 month; \$390.00/2 months; \$890.00/3 months) \$

Terminal disclaimer enclosed, add \$ 110.00 \$ 0.00

☐ First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$710.00) \$ 0.00

☐ Please enter the previously unentered, filed

☐ Submission attached

☐ Request for Continued Examination pursuant to 37 C.F.R. § 1.114 (\$710.00) \$ 0.00

☐ Please enter the previously unentered, filed

or ☐ Required submission attached

**Subtotal \$**

If small entity, then enter half (1/2) of subtotal and subtract -\$

☒ This application is entitled to "Small entity" status. ☐ "Small entity" statement attached.

Rule 56 Information Disclosure Statement Filing Fee (\$180.00) \$ 0.00

Assignment Recording Fee (\$40.00) \$ 0.00

Other: 0.00

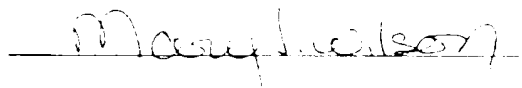
**TOTAL FEE TO BE DEBITED \$**

The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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NIXON & VANDERHYE P.C.  
By Atty: Mary J. Wilson, Reg. No. 32,955

Signature



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

BULLEID

Atty. Ref.: 39-189

Serial No.: 09/380,377

Group Art. Unit: 1632

Filed: September 16, 1999

Examiner: Weitach, J.

For: PROCOLLAGEN ASSEMBLY

March 1, 2001

SUPPLEMENTAL AMENDMENT

Hon. Commissioner of Patents  
and Trademarks  
Washington, DC 20231

Sir:

Supplementing the Amendment filed January 8, 2001,  
kindly further amend this application as follows.

IN THE CLAIMS:

Add the following new claim.

--29. A method of producing a first procollagen comprising expressing in a cell, that expresses and assembles a second procollagen, a nucleic acid sequence(s) that encode(s) pro- $\alpha$  chains for assembly into said first procollagen, wherein said nucleic acid sequence(s) do not encode pro- $\alpha$  chains that co-assemble with pro- $\alpha$  chains that

assemble to form said second procollagen, wherein at least one of said pro- $\alpha$  chains for assembly into said first procollagen comprises:

i) a first moiety having activity for assembly into a trimeric procollagen C-propeptide and being from a first type of pro- $\alpha$  chain, wherein said first moiety contains a recognition sequence for chain selection, and;

ii) a second moiety containing a triple helix forming domain from a pro- $\alpha$  chain different from said first type,

said first moiety being attached to said second moiety so that said recognition sequence permits co-assembly of said polypeptide with other polypeptides having said activity and a triple helix forming domain.--

#### REMARKS

Reconsideration of this application and entry of the foregoing amendment is respectfully requested.

New claim 29 is fully supported by an enabling disclosure, including the claims as originally filed.

This application is submitted to be in condition for  
allowance and a Notice to that effect is requested.

Respectfully submitted,

NIXON & VANDERHYE, P.C.

By Mary C. Wilson  
Mary C. Wilson  
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